

**To:** Bussard, David[Bussard.David@epa.gov]; Ramasamy, Santhini[Ramasamy.Santhini@epa.gov]  
**From:** Vulimiri, Suryanarayana  
**Sent:** Tue 9/5/2017 12:53:23 PM  
**Subject:** RE: Edwards AFB Disputes Meetings Schedule  
[Cichocki et al 2016 Perc Review.pdf](#)  
[Cichocki et al 2017 Perc.pdf](#)  
[Chui and Ginsberg 2011 Perc.pdf](#)  
[Zeise et al 2013.pdf](#)

Hi David,

Here are the papers cited by Spearow et al (see attached)

I will work on the second one and will get back to you.

Sury

**Sury Vulimiri, Ph.D., DABT** National Center for Environmental Assessment, Office of Research & Development,  
US EPA. Phone: 919-541-3558 | Fax: 919-541-0245 | [vulimiri.sury@epa.gov](mailto:vulimiri.sury@epa.gov)

**From:** Bussard, David  
**Sent:** Friday, September 01, 2017 2:43 PM  
**To:** Vulimiri, Suryanarayana <Vulimiri.Sury@epa.gov>; Ramasamy, Santhini <Ramasamy.Santhini@epa.gov>  
**Subject:** FW: Edwards AFB Disputes Meetings Schedule

Sury,

Your notes on the Spearow article noted that there was little new data. Do you have copies of any of the key papers cited by Spearow? If so, can you send me pdfs? (I could also use a copy of the Chiu et al paper on the perc harmonized model if you have that handy.)

# Ex. 5 - Deliberative Process

David

**From:** Ball, Harold  
**Sent:** Thursday, August 31, 2017 4:49 PM  
**To:** Herrera, Angeles <Herrera.Angeles@epa.gov>; Bussard, David <Bussard.David@epa.gov>  
**Cc:** Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Dirscherl, Christopher <Dirscherl.Christopher@epa.gov>; Manzanilla, Enrique <Manzanilla.Enrique@epa.gov>  
**Subject:** RE: Edwards AFB Disputes Meetings Schedule

FYI, the State included in there rulemaking the following:

“In addition, the Department’s toxicologists have written and submitted a detailed review of the genetic variation in the enzymes responsible for PCE metabolism, titled Review: Risk Assessment Implications of Variation in Susceptibility to Perchloroethylene Due to Genetic Diversity, Ethnicity, Age, Gender, Diet and Pharmaceuticals. The journal article is accepted for publication by the official journal of the Association for Environmental Health and Sciences Foundation, the Human and Ecological Risk Assessment: An International Journal (2017 – In Press).”

That article can be found here:

<http://www.tandfonline.com/doi/full/10.1080/10807039.2017.1327799>

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Harold Ball, Chief, NV & Federal Facilities Section (S82), EPA Region 9 Superfund, w)

415.972.3047, c) 415.819.9821, [ball.harold@epa.gov](mailto:ball.harold@epa.gov)

**From:** Herrera, Angeles

**Sent:** Thursday, August 31, 2017 8:59 AM

**To:** Bussard, David <[Bussard.David@epa.gov](mailto:Bussard.David@epa.gov)>

**Cc:** Bertrand, Charlotte <[Bertrand.Charlotte@epa.gov](mailto:Bertrand.Charlotte@epa.gov)>; Ball, Harold <[Ball.Harold@epa.gov](mailto:Ball.Harold@epa.gov)>; Dirscherl, Christopher <[Dirscherl.Christopher@epa.gov](mailto:Dirscherl.Christopher@epa.gov)>; Manzanilla, Enrique <[Manzanilla.Enrique@epa.gov](mailto:Manzanilla.Enrique@epa.gov)>

**Subject:** Fwd: Edwards AFB Disputes Meetings Schedule

Hi David,

I understand you may be able to join us in Sacramento for the PCE toxicity value and CA toxicity criteria proposed rule discussion. Below please find the confirmed schedule. You do not need to participate on the 9/14 DRC Arroyos Dispute meeting.

Please let me know if you have any questions.

Angeles

Sent from my iPhone

Begin forwarded message:

**From:** "Herrera, Angeles" <[Herrera.Angeles@epa.gov](mailto:Herrera.Angeles@epa.gov)>

**Date:** August 28, 2017 at 4:44:52 PM PDT

**To:** "Manzanilla, Enrique" <[Manzanilla.Enrique@epa.gov](mailto:Manzanilla.Enrique@epa.gov)>, "SMITH, IAN C GS-15 USAF AFMC AFCEC/CZR" <[ian.smith.9@us.af.mil](mailto:ian.smith.9@us.af.mil)>, "[Mohsen.Nazemi@dtsc.ca.gov](mailto:Mohsen.Nazemi@dtsc.ca.gov)" <[Mohsen.Nazemi@dtsc.ca.gov](mailto:Mohsen.Nazemi@dtsc.ca.gov)>, "Copeland, Patrice@Waterboards" <[patrice.copeland@waterboards.ca.gov](mailto:patrice.copeland@waterboards.ca.gov)>

**Cc:** "Ball, Harold" <[Ball.Harold@epa.gov](mailto:Ball.Harold@epa.gov)>, "Dirscherl, Christopher" <[Dirscherl.Christopher@epa.gov](mailto:Dirscherl.Christopher@epa.gov)>, "Maldonado, Lewis" <[Maldonado.Lewis@epa.gov](mailto:Maldonado.Lewis@epa.gov)>, "Fairbanks, Brianna" <[fairbanks.brianna@epa.gov](mailto:fairbanks.brianna@epa.gov)>, "Minor, Dustin" <[Minor.Dustin@epa.gov](mailto:Minor.Dustin@epa.gov)>, "Poach, Alonzo@Waterboards" <[Alonzo.Poach@Waterboards.ca.gov](mailto:Alonzo.Poach@Waterboards.ca.gov)>, "Depies, Kevin@DTSC" <[Kevin.Depies@dtsc.ca.gov](mailto:Kevin.Depies@dtsc.ca.gov)>, "Stralka, Daniel" <[Stralka.Daniel@epa.gov](mailto:Stralka.Daniel@epa.gov)>, "Hume, Richard@DTSC" <[Richard.Hume@dtsc.ca.gov](mailto:Richard.Hume@dtsc.ca.gov)>, "Murai, Vivian@DTSC" <[Vivian.Murai@dtsc.ca.gov](mailto:Vivian.Murai@dtsc.ca.gov)>, "SCHIFF, PAUL A GS-13 USAF AFMC AFCEC/CZOW" <[paul.schiff@us.af.mil](mailto:paul.schiff@us.af.mil)>, Eric Barefoot <[eric.barefoot.1@us.af.mil](mailto:eric.barefoot.1@us.af.mil)>, "TROST, MARC W GS-15 USAF AFLOA JACE/FSC" <[marc.trost@us.af.mil](mailto:marc.trost@us.af.mil)>, "Hicks, Otis L Jr CIV USAF

SAF-IE (US)" <otis.l.hicks.civ@mail.mil>, "james.gonzales@us.af.mil"  
<james.gonzales@us.af.mil>

**Subject: Edwards AFB Disputes Meetings Schedule**

Greetings Everyone,

As discussed and agreed upon by the relevant agency managers and Waterboards' staff, the schedule for the September Edwards AFB Disputes meetings is as follows:

Tuesday 9/12 (1pm-5pm) – South AFRL ESD - PCE Toxicity ‘Science’ and Recent Developments

Wednesday 9/13 (9am-4pm) – South AFRL ESD - CA Toxicity Criteria Rule Discussion and Follow-ups from Tuesday

Thursday 9/14 (9am-11am) – Arroyos AFRL ROD - DRC Meeting

Please reserve travel and accommodations as appropriate. All meetings will take place at the CalEPA offices in downtown Sacramento (1001 I St, Sacramento, CA 95812) and a conference line will be made available for those who cannot attend in person. An agenda formalizing this information and providing further specifics will be provided the week of September 5<sup>th</sup>. Please let me know if you have any questions.

Thank you,

Angeles

Angeles Herrera

Assistant Director

Superfund Division

